

Waushara County Land and Water Resource Management Plan 5 year Extension Request 2016-2020



Waushara County Land Conservation and Zoning Department

Waushara County, Wisconsin Location and Makeup



- 18 Townships
- 6 Villages
- 2 Cities

- Population: 24, 033
- Land Area: 638 Mi²
 - 408,122 Acres

- The driving force behind the development of the Waushara County LWRM Plan was the opportunity to establish a true locally driven process. Individual citizens, units of government, local, state, and federal agencies worked together to develop a framework which:

- [illegible]

Waushara County LCD Mission Statement

- Promote conservation of our natural resources to a diverse group of landowners and future landowners in Waushara County, through educational opportunities, technical assistance and professional collaborations, that result in the long term stability of natural resources.

Waushara County

Land and Water Resource Management Plan Goals

- Continue agriculture performance standards implementation
- Maintain eligibility for all FPP Participants
- Reduce agricultural and pollutant loading to surface and groundwater/private drinking wells
- Reduce erosion and pollutant loading on non-agricultural site to surface and groundwater
- Continue to develop and enhance our soil and water information and education strategy

Outreach and Education

- Conservation Field days
- Lakes Management Planning
- Watershed Lakes Council Meetings
- Farm Bureau Meetings

❑ Waushara County Watershed Lakes Council

- Formed in 1997
- Great way to disseminate Lakes information
- Quarterly meetings

❑ Waushara County Farm Bureau

- Land Conservation Information and updates are shared
- Monthly meetings

Conservation Field Days

An annual event hosted by Waushara County Land Conservation and Zoning department for 5th grade students. Outdoor field stations provide hands-on environmental education in groundwater, forestry, wildlife, soils, fisheries, aquatic invasive species and aquatic indicator species.



Lake Management Planning

- Phase 1 – Shoreline Assessment and Lake Management Plan Review/capacity
 - Pictures were taken of the entire shoreline and shoreline health was assessed using a color coded and numbering system.



Lake Management Planning

- Phase 2 – Data Collection and Evaluation
 - Samples Lakes for 2 years 3 times a year.
 - Total Phosphorus
 - SRP
 - Chlorophyll A
 - Nitrogen – TKN, NO², NO³, N, NH⁴
 - Conductivity
 - Water Clarity



Lake Management Planning

- Phase 3 – Lake Groups and Local Residents had a series of 4 meeting to develop goals, objectives and action items that will help preserve and protect the lake. The plans used information and data collected in phase 1 and 2.
- Plans were developed on 31 lakes, over 500 lake property owners and area residents were involved in the planning process.



Lake Management Planning

- Phase 4 – The implementation Phase. During this process lakes groups will begin to prioritize and install the needed BMP's for water quality and habitat restoration. These practices have been identified in their lake management plans and will enhance water quality now and for future generations.



Fish sticks



Native Plantings



Diversions

Projects Summary 2011-2015

Best Management Practice	Units Installed or Achieved by Year					Total 2011-2015
	2011	2012	2013	2014	2015	
Field Windbreak		10,500	1,400	17,143	5,410	34,453 ft
Riparian Buffer	170 ft	220 ft	145 ft	23.5 ft	42.5 ft	601 ft
Streambank/Shoreline Protection		740 ft	110 ft		250 ft	1,100 ft
Barnyard/Feed Storage Runoff Control	1			1		2
Waste Transfer/manure Storage	1				1	2
Grassed Waterway	.1 Ac		3.1 Ac		1.5 Ac	4.7 Ac
Wetland Scrape/Restoration		1 Ac	4.75 Ac	2 Ac	1.75 Ac	9.5 Ac
Grade Stabilization Structure			1			1
Diversion		1	1			2
Watering Facility			1			1
Trails and Walkways			1			1
Critical Area Treatment		150 ln. ft				150 ln ft
Nutrient Management Acres	239	526	1,033	744	2,485	5,027 Ac
Total NMP Acres	2960	8,880	27,179	30,832	34,898	34,898 Ac
NR 151 Compliant Landowners	10	5	7	2	3	27
Total NR 151 Compliant Landowners	134	139	146	148	151	151

- 489 erosion control plans reviewed

[illegible]

Wetland scrapes

- 9.5 Acres of wetland restorations



Protecting Waushara County Lakes

- 32 Lakes in Waushara County with Public access
- Over 600 feet of Riparian Buffer installed

Morris Lake



Wilson Lake



Waterway in Eastern Waushara County



Feed Storage Runoff Collection System



Manure Storage Structure



Cattle Watering system



Stream Crossing -Repair



Nutrient Management

- 2011 – 2, 960 Acres (checklist turned in)
- 2015 – 34, 898 (Plan Updates/ with checklists)



NMFE Grants

- 2012 - NMFE Grant to offer Nutrient Management training for farmers.
 - 13 farmers attended training
- 2014 – NMFE Grant to offer Nutrient Management training, along with soil sampling and Nutrient Management Plan development
 - 13 farmers attended training and over 1,300 acres soil sampled and Nutrient Management Plan written
- 2016 – NMFE Grant submitted to DATCP

